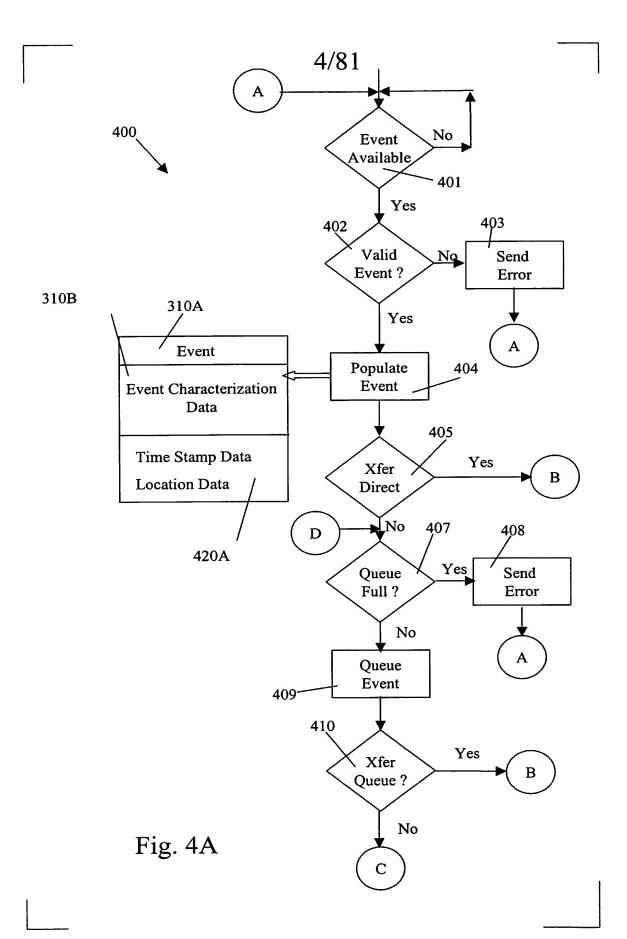
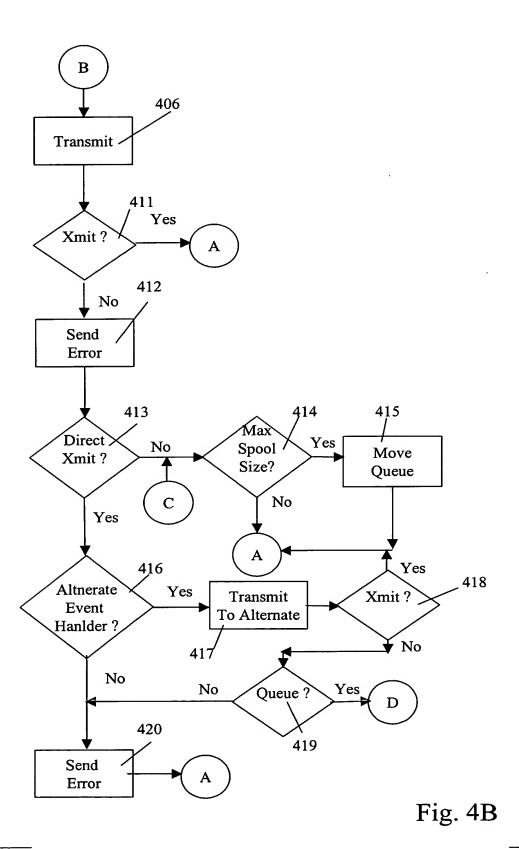


Fig. 3





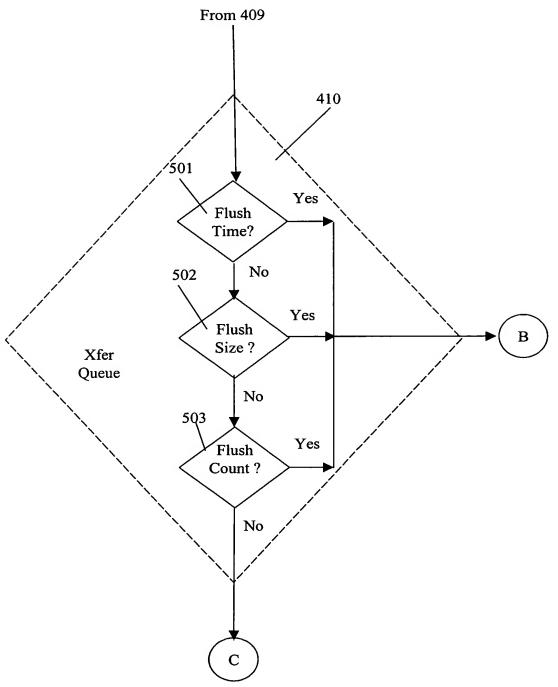


Fig. 5A

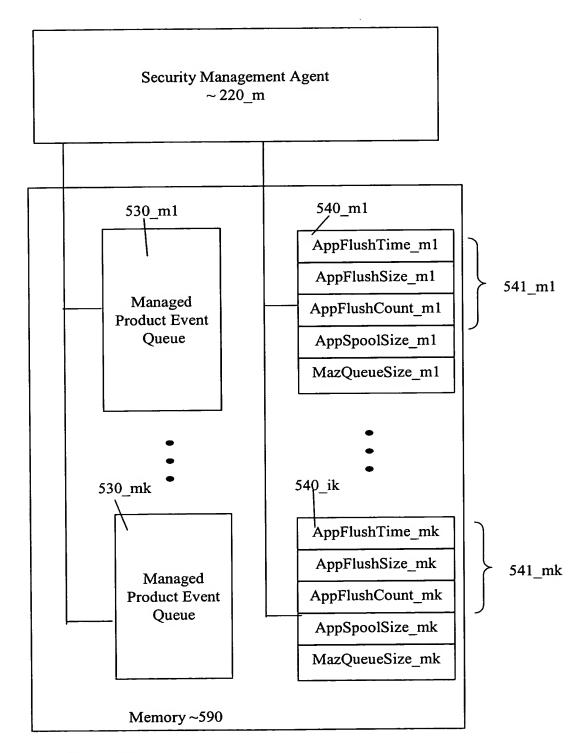
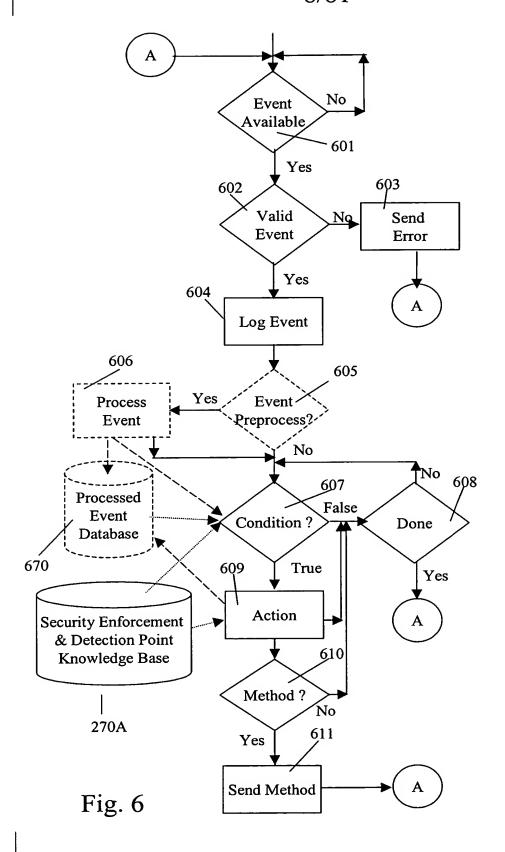


Fig. 5B



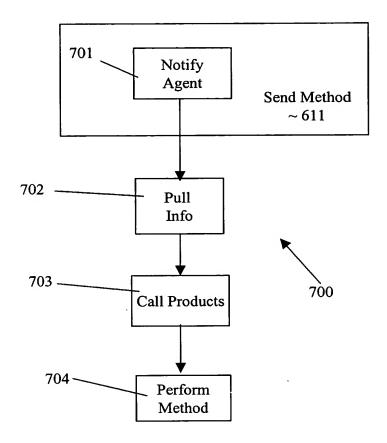
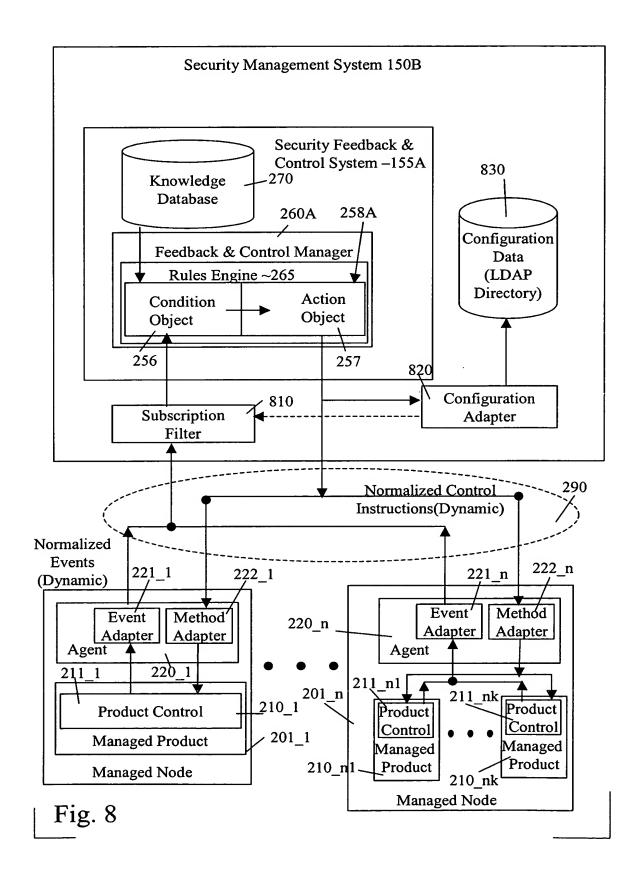


Fig. 7



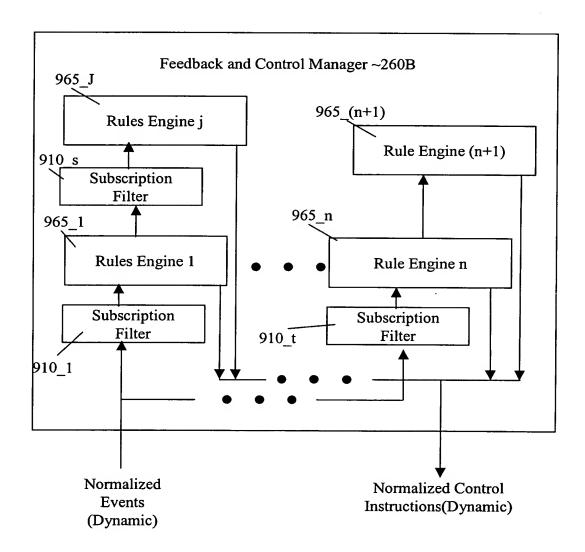


Fig. 9

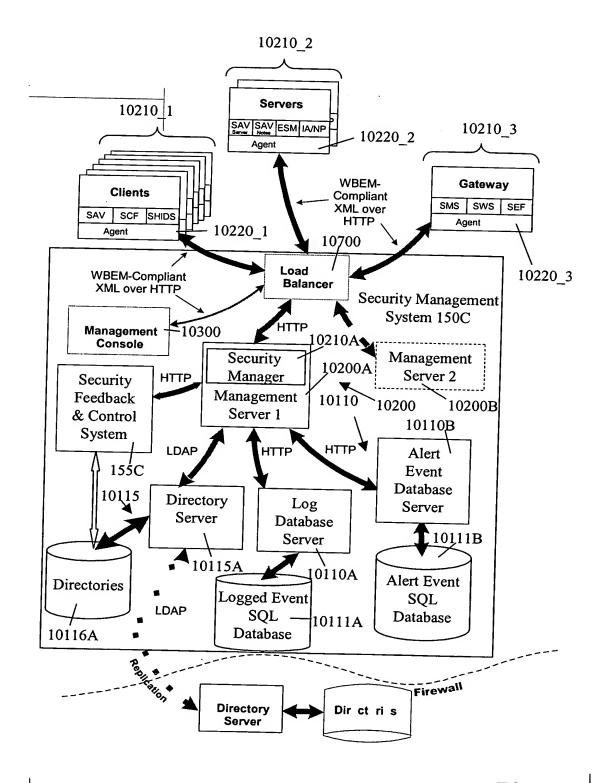
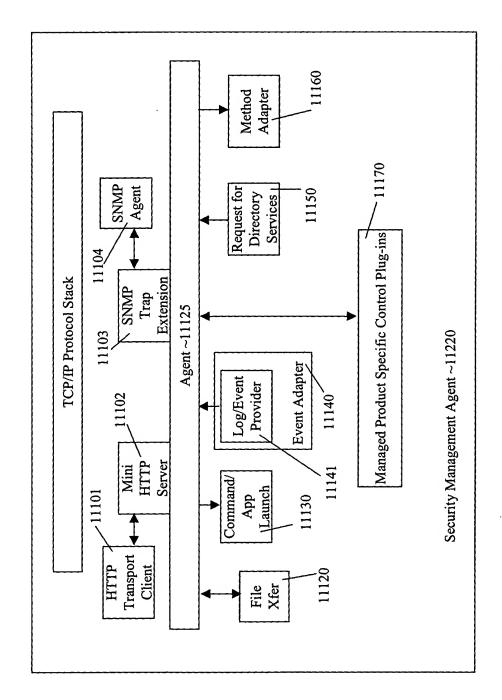


Fig. 10





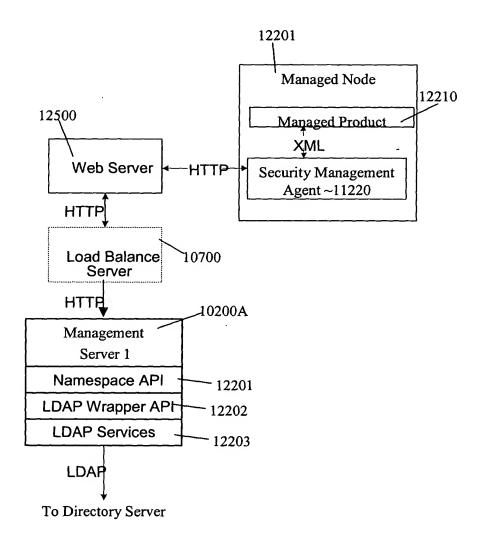


Fig. 12A

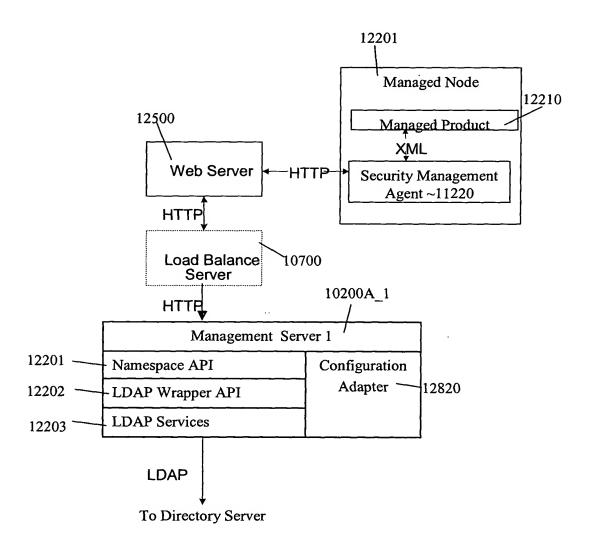


Fig. 12B

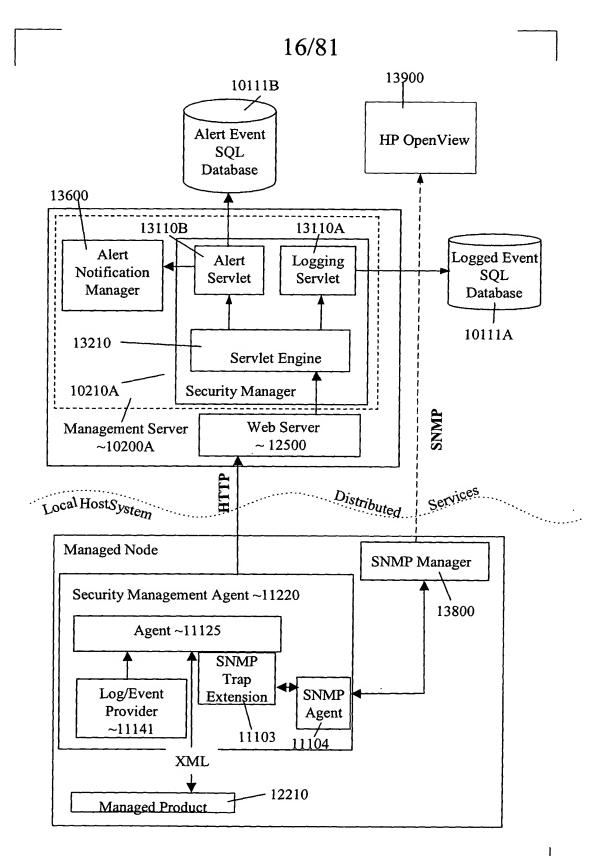
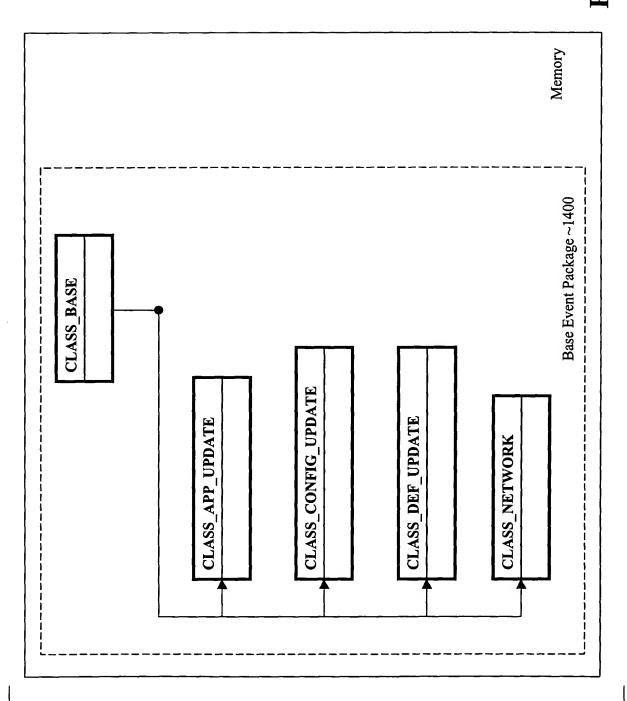
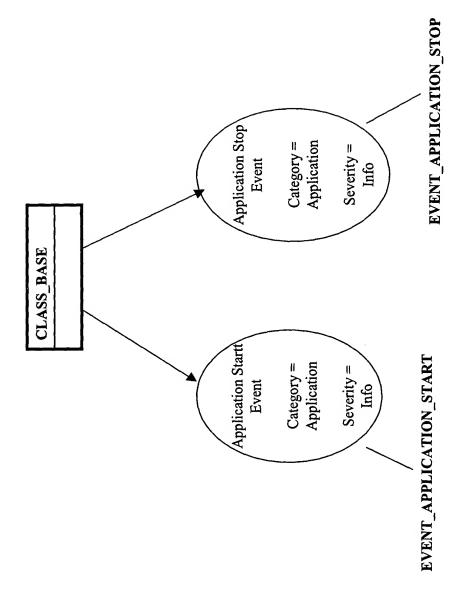


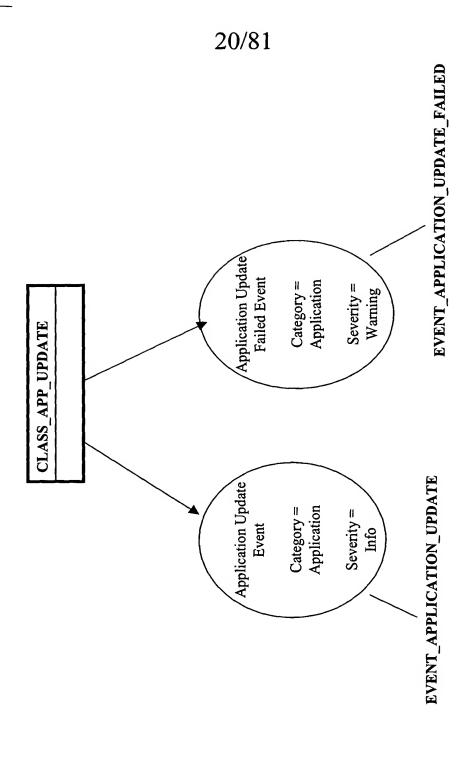
Fig. 13





	,	
		FIELD_EVENT_ID
15600		FIELD_EVENTCLASS_ID
	1	FIELD_PRODUCT_ID
		FIELD_PRODUCT_VERSION
		FIELD_SWFEATURE_ID
	ļ	FIELD_MACHINE
		FIELD_MACHINE_IP
		FIELD_MACHINE_SUBNET
15500		FIELD_MACHINEID
		FIELD_MACHINE_MAC
		FIELD_EVENT_DT
		FIELD_CREATE_DT
		FIELD_POST_DT
,		FIELD_LOGGED_DT
		FIELD_DATE_ADJUST
		FIELD_CATEGORY_ID
		FIELD_SEVERITY
		FIELD_DOMAIN
		FIELD_USER_NAME
		FIELD_EVENT_DESC
		FIELD_ORGUNIT
		FIELD_CONFIGURATION

Fig. 15B



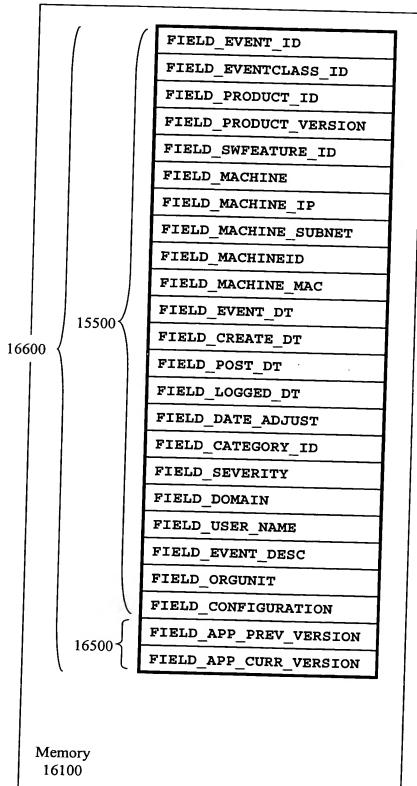


Fig. 16B

FIELD_EVENT_CATEGORY_ID

FIELD_EVENT_SEVERITY

FIELD_EVENT_DT

FIELD_EVENT_ID

FIELD_PRODUCT_ID

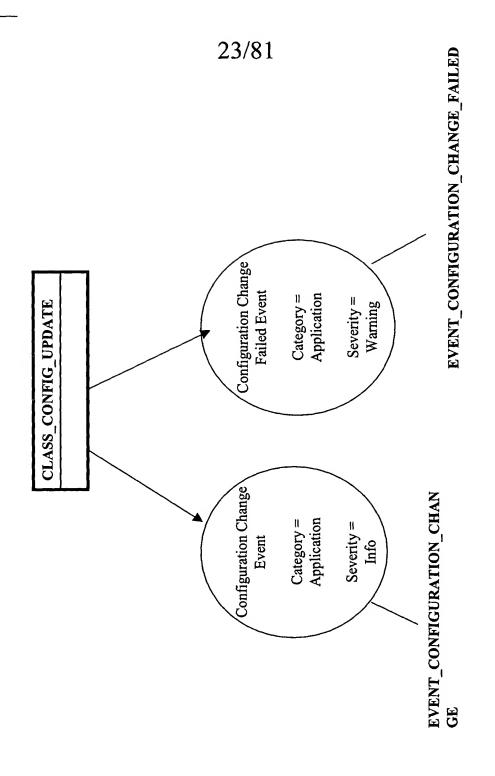
FIELD_MACHINE

FIELD_PRODUCT_VERSION

FIELD_APP_PREV_VERSION

FIELD_APP_CURR_VERSION

Fig. 16C



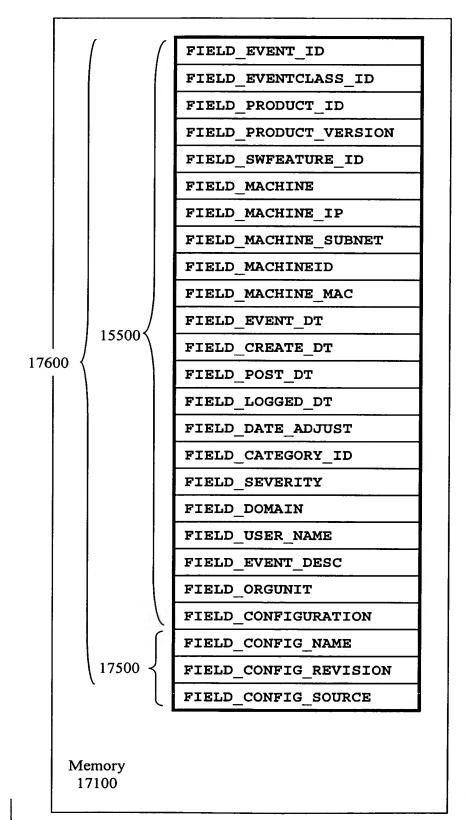
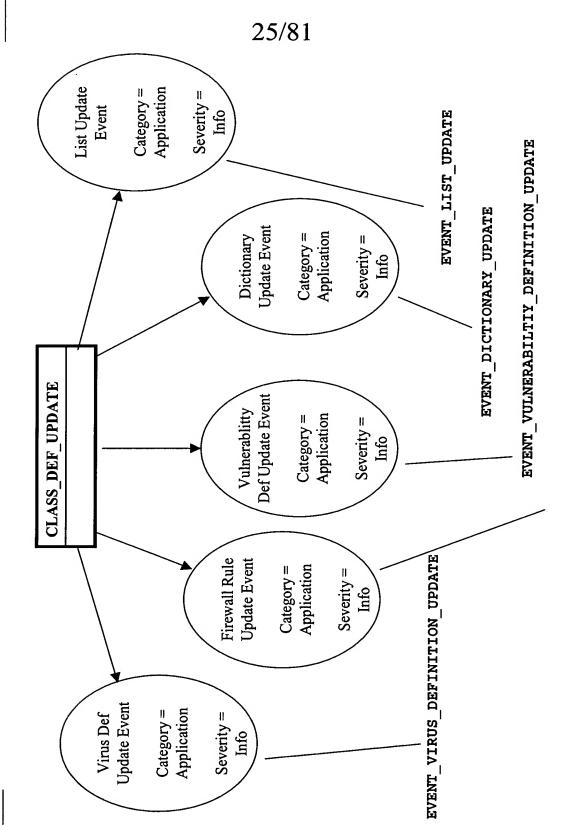
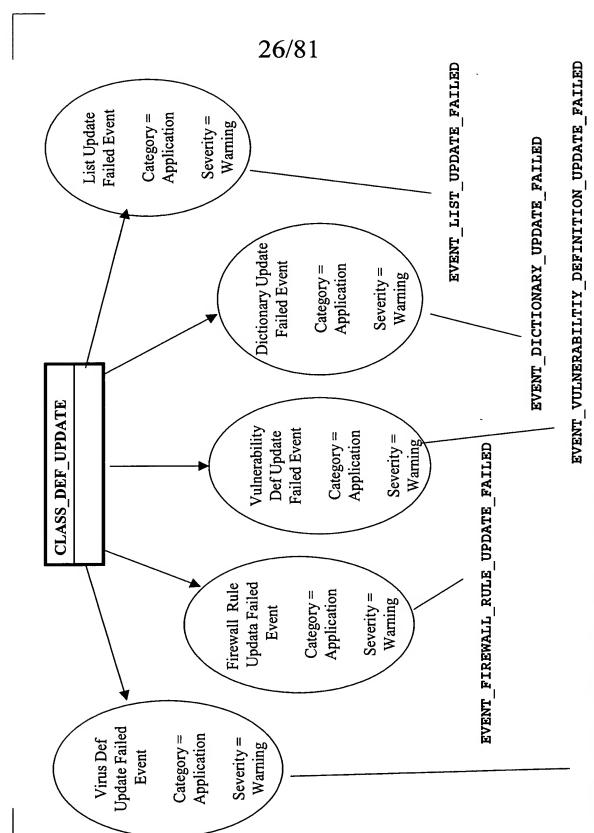


Fig. 17B



EVENT_FIREWALL_RULE_UPDATE



EVENT_VIRUS_DEFINITION_UPDATE_FAILED

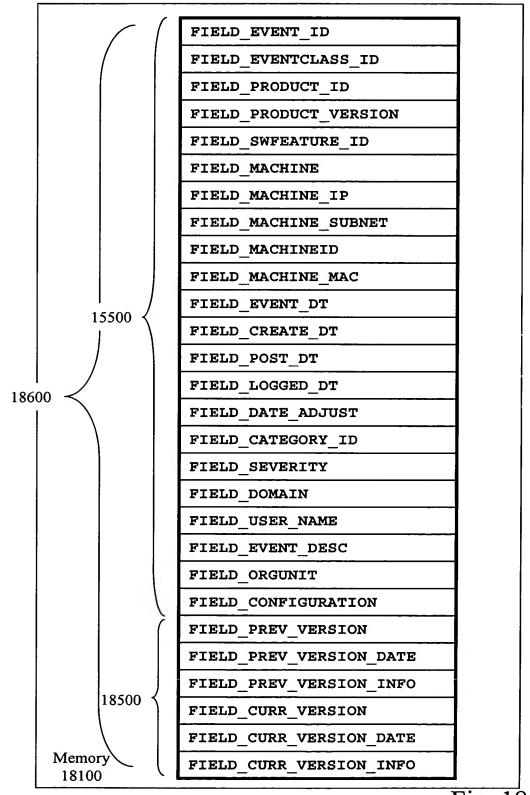


Fig. 18C

FIELD_EVENT_CATEGORY_ID

FIELD_EVENT_SEVERITY

FIELD_EVENT_DT

FIELD_EVENT_ID

FIELD_PRODUCT_ID

FIELD_MACHINE

FIELD_PRODUCT_VERSION

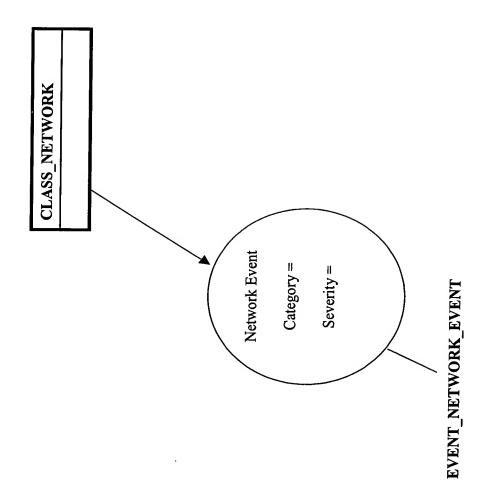
FIELD_PREV_VERSION

FIELD_CURR_VERSION_DATE

FIELD_CURR_VERSION_INFO

FIELD_CURR_VERSION_INFO

Fig. 18D



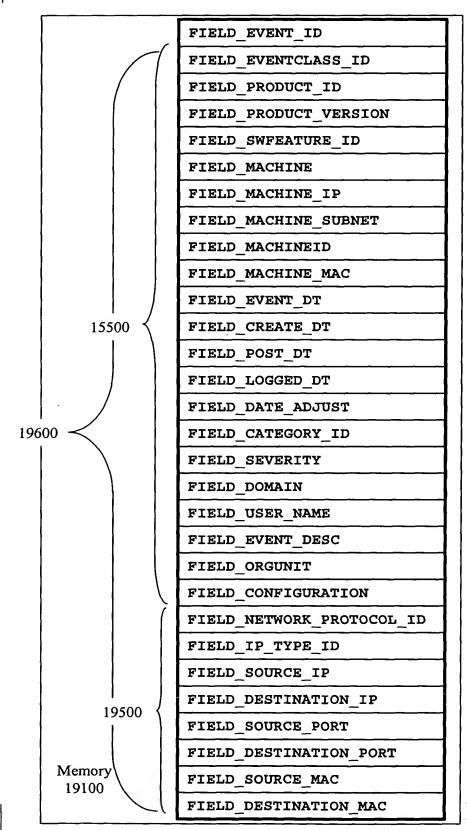


Fig. 19B

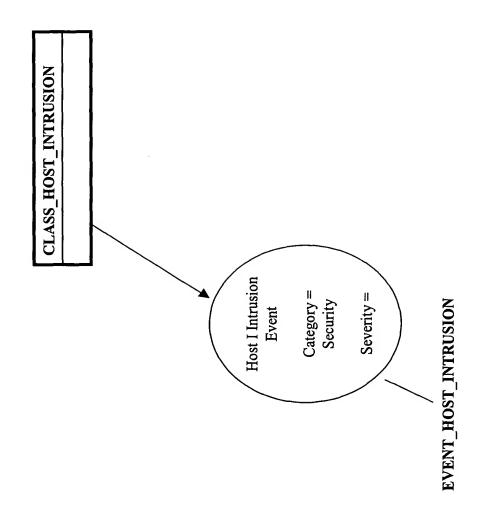
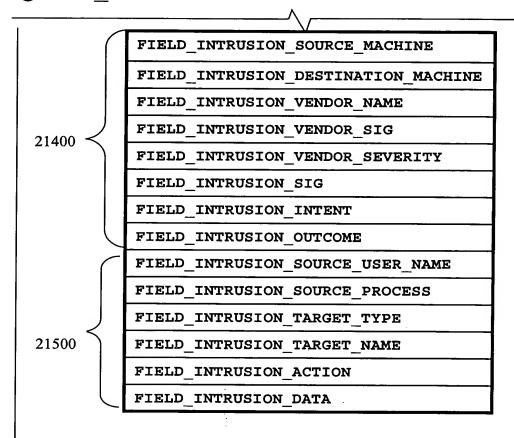


Fig. 21B_1	33/61	
	FIELD_EVENT_ID	_
	FIELD_EVENTCLASS_ID	
	FIELD_PRODUCT_ID	
21600	FIELD_PRODUCT_VERSION	li .
	FIELD_SWFEATURE_ID	
	FIELD_MACHINE	
	FIELD_MACHINE_IP	
	FIELD_MACHINE_SUBNET	
	FIELD_MACHINEID	
	FIELD_MACHINE_MAC	
15500	FIELD_EVENT_DT	
13300	FIELD_CREATE_DT	
	FIELD_POST_DT	
	FIELD_LOGGED_DT	
	FIELD_DATE_ADJUST	
	FIELD_CATEGORY_ID	ş
	FIELD_SEVERITY	
	FIELD_DOMAIN	
	FIELD_USER_NAME	
	FIELD_EVENT_DESC	
	FIELD_ORGUNIT	
	FIELD_CONFIGURATION	
	FIELD_NETWORK_PROTOCOL_ID	
	FIELD_IP_TYPE_ID	
	FIELD_SOURCE_IP	
1 /	FIELD_DESTINATION_IP	
19500	FIELD_SOURCE_PORT	
	FIELD_DESTINATION_PORT	
Memory 21100	FIELD_SOURCE_MAC	
	FIELD_DESTINATION_MAC	
	\ \ /	



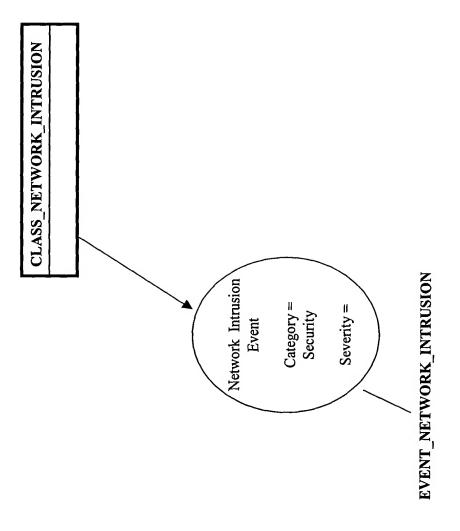
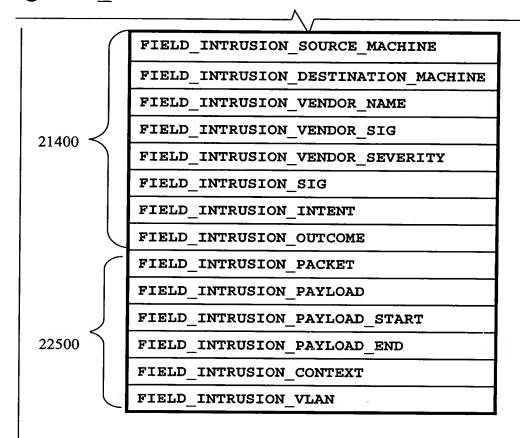


Fig. 22B_1

<u>1g. 22D_1</u>		
	FIELD_EVENT_ID	
· /	FIELD_EVENTCLASS_ID	
	FIELD_PRODUCT_ID	
22600	FIELD_PRODUCT_VERSION	
	FIELD_SWFEATURE_ID	
	FIELD_MACHINE	
	FIELD_MACHINE_IP	
	FIELD_MACHINE_SUBNET	
	FIELD_MACHINEID	
	FIELD_MACHINE_MAC	
15500	FIELD_EVENT_DT	4
15500	FIELD_CREATE_DT	
	FIELD_POST_DT	
	FIELD_LOGGED_DT	
	FIELD_DATE_ADJUST	! !
	FIELD_CATEGORY_ID	
	FIELD_SEVERITY	
	FIELD_DOMAIN	
	FIELD_USER_NAME	
	FIELD_EVENT_DESC	,
	FIELD_ORGUNIT	
	FIELD_CONFIGURATION	
	FIELD_NETWORK_PROTOCOL_ID	i
	FIELD_IP_TYPE_ID	
	FIELD_SOURCE_IP	
	FIELD_DESTINATION_IP	
19500	FIELD_SOURCE_PORT	
	FIELD_DESTINATION_PORT	
Memory	FIELD_SOURCE_MAC	
22100	FIELD_DESTINATION_MAC	



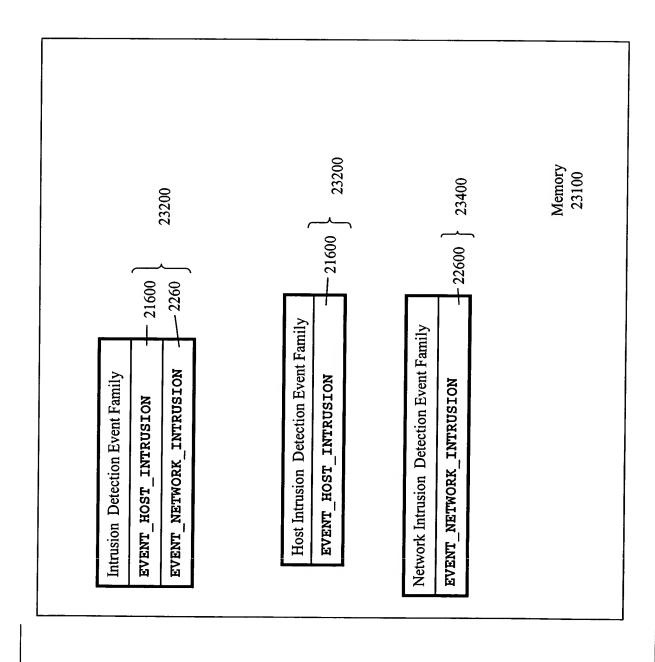
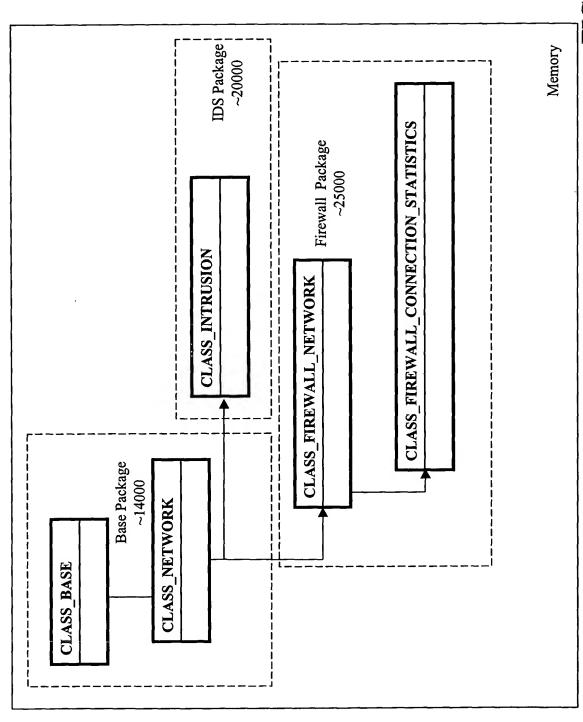
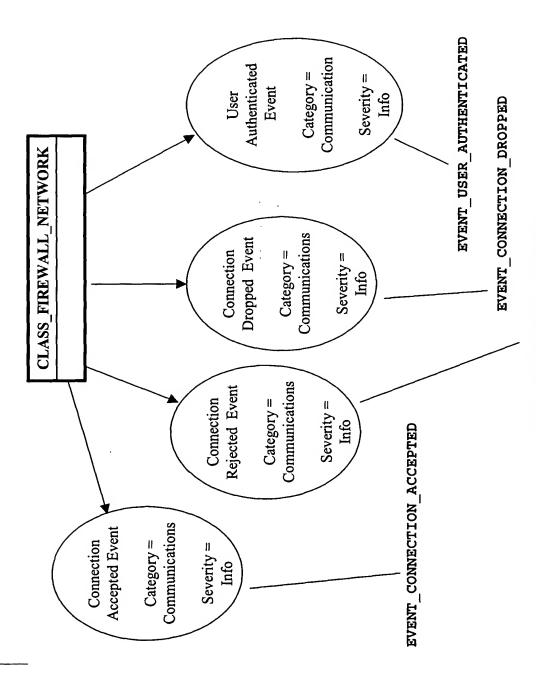


Fig. 24

	FIELD_EVENT_CATEGORY_ID
	FIELD_EVENT_SEVERITY
	FIELD_EVENT_DT
	FIELD_EVENT_ID
24000	FIELD_PRODUCT_ID
24900	FIELD_PRODUCT_VERSION
`	FIELD_SWFEATURE_ID
	FIELD_USER_NAME
	FIELD_MACHINE
	FIELD_EVENT_DESC
	FIELD_INTRUSION_VENDOR_NAME
	FIELD_INTRUSION_VENDOR_SIG
	FIELD_INTRUSION_SIG
	FIELD_INTRUSION_SOURCE_USER_NAME
	FIELD_INTRUSION_SOURCE_COMPUTER
	FIELD_INTRUSION_SOURCE_PROCESS
	FIELD_INTRUSION_TARGET_TYPE
	FIELD_INTRUSION_TARGET
	FIELD_INTRUSION_ACTION
	FIELD_INTRUSION_INTENT
	FIELD_INTRUSION_OUTCOME





EVENT_CONNECTION_REJECTED

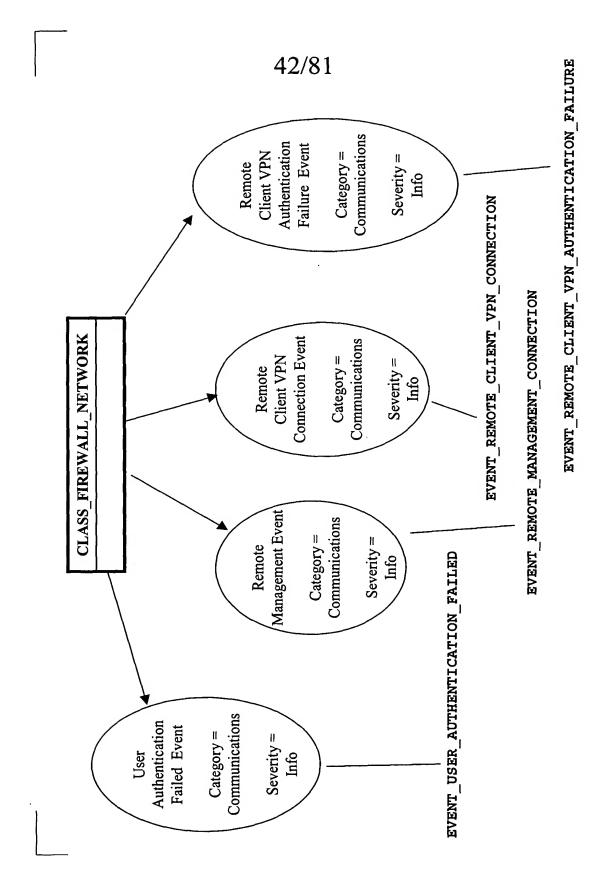


Fig. 26C_1	45/81	
	FIELD_EVENT_ID	
	FIELD_EVENTCLASS_ID	
	FIELD_PRODUCT_ID	
26600	FIELD_PRODUCT_VERSION	
	FIELD_SWFEATURE_ID	
	FIELD_MACHINE	
	FIELD_MACHINE_IP	
	FIELD_MACHINE_SUBNET	
	FIELD_MACHINEID	
	FIELD_MACHINE_MAC	
15500	FIELD_EVENT_DT	
15300	FIELD_CREATE_DT	
	FIELD_POST_DT	
	FIELD_LOGGED_DT	
	FIELD_DATE_ADJUST	
	FIELD_CATEGORY_ID	
	FIELD_SEVERITY	
	FIELD_DOMAIN	
	FIELD_USER_NAME	
	FIELD_EVENT_DESC	
	FIELD_ORGUNIT	
	FIELD_CONFIGURATION	
	FIELD_NETWORK_PROTOCOL_ID	
	FIELD_IP_TYPE_ID	
	FIELD_SOURCE_IP	
1 /	FIELD_DESTINATION_IP	
19500	FIELD_SOURCE_PORT	
	FIELD_DESTINATION_PORT	
Memory 26100	FIELD_SOURCE_MAC	
20100	FIELD_DESTINATION_MAC	
	\	

1	
	FIELD_SOURCE_HOST_NAME
	FIELD_DESTINATION_HOST_NAME
	FIELD_SOURCE_SERVICE_NAME
	FIELD_DESTINATION_SERVICE_NAME
	FIELD_NETWORK_DIRECTION_ID
26500 <	FIELD_USER_ID
	FIELD_RULE
	FIELD_TARGET_RESOURCE
	FIELD_TARGET_DIRECTION_ID
	FIELD_INTERFACE_NAME
	FIELD_NW_PROTOCOL_ID

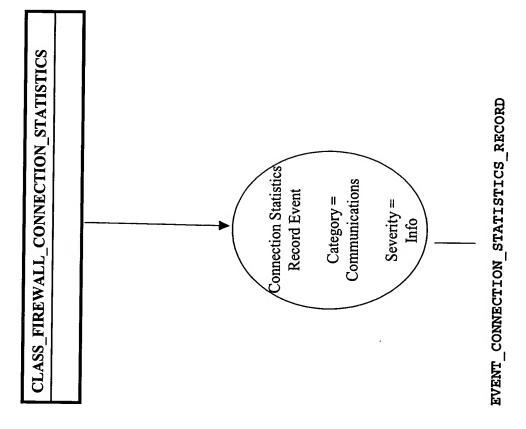


Fig. 27B_1

1g. 2/B_1		
	FIELD_EVENT_ID	
	FIELD_EVENTCLASS_ID	1
	FIELD_PRODUCT_ID	1
27600	FIELD_PRODUCT_VERSION	1
	FIELD_SWFEATURE_ID	1
	FIELD_MACHINE	
	FIELD_MACHINE_IP	1
	FIELD_MACHINE_SUBNET	ĺ
	FIELD_MACHINEID	
	FIELD_MACHINE_MAC	,
15500	FIELD_EVENT_DT	
13300	FIELD_CREATE_DT	
	FIELD_POST_DT	
	FIELD_LOGGED_DT	
	FIELD_DATE_ADJUST	
	FIELD_CATEGORY_ID	
	FIELD_SEVERITY	
	FIELD_DOMAIN	
	FIELD_USER_NAME	
	FIELD_EVENT_DESC	
	FIELD_ORGUNIT	
	FIELD_CONFIGURATION	
	FIELD_NETWORK_PROTOCOL_ID	
	FIELD_IP_TYPE_ID	
	FIELD_SOURCE_IP	
√ !	FIELD_DESTINATION_IP	
19500	FIELD_SOURCE_PORT	
4	FIELD_DESTINATION_PORT	
Memory 27100	FIELD_SOURCE_MAC	
	FIELD_DESTINATION_MAC	

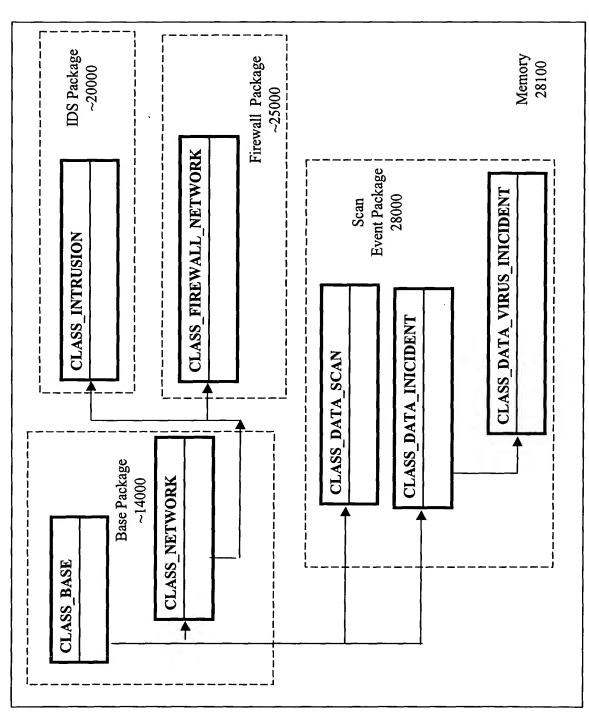
	FIELD_SOURCE_HOST_NAME
	FIELD_DESTINATION_HOST_NAME
	FIELD_SOURCE_SERVICE_NAME
	FIELD_DESTINATION_SERVICE_NAME
	FIELD_NETWORK_DIRECTION_ID
	FIELD_USER_ID
	FIELD_RULE
26500	FIELD_TARGET_RESOURCE
	FIELD_TARGET_DIRECTION_ID
	FIELD_INTERFACE_NAME
	FIELD_NW_PROTOCOL_ID
	FIELD_INFO1
	FIELD_INFO2
	FIELD_INFO3
	FIELD_INFO4
	FIELD_START_TIME
	FIELD_ELAPSED_TIME
	FIELD_PACKETS
	FIELD_BYTES
27500	FIELD_CLIENT_INBOUND_PACKETS
	FIELD_CLIENT_OUTBOUND_PACKETS
	FIELD_SERVER_INBOUND_PACKETS
	FIELD_SERVER_OUTBOUND_PACKETS
	FIELD_CLIENT_INBOUND_BYTES
	FIELD_CLIENT_OUTBOUND_BYTES
Memory 27100	FIELD_SERVER_INBOUND_BYTES
	FIELD_SERVER_OUTBOUND_BYTES

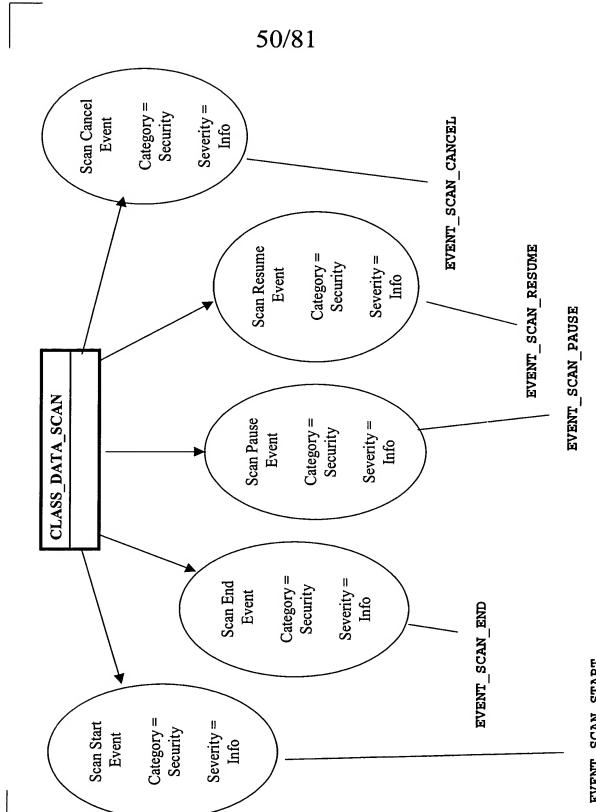
FIELD_SOURCE_HOST_NAME

FIELD_DESTINATION_HOST_NAME

FIELD_SOURCE_SERVICE_NAME

FIELD_DESTINATION_SERVICE_NAME





EVENT_SCAN_START

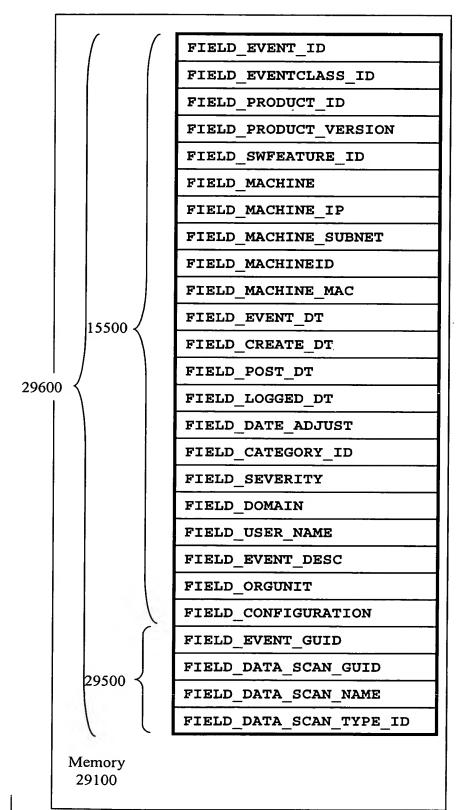
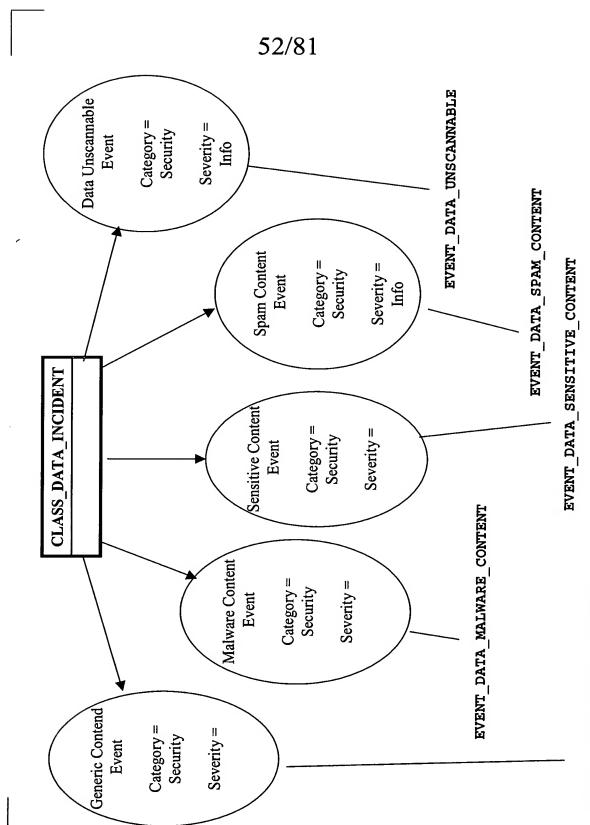


Fig. 29B



EVENT_DATA_GENERIC_CONTENT

Fig. 30B 1

fig. 30B_1	00,01	
	FIELD_EVENT_ID	
	FIELD_EVENTCLASS_ID	
	FIELD_PRODUCT_ID	
30600	FIELD_PRODUCT_VERSION	
	FIELD_SWFEATURE_ID	
	FIELD_MACHINE	
	FIELD_MACHINE_IP	
	FIELD_MACHINE_SUBNET	
	FIELD_MACHINEID	
	FIELD_MACHINE_MAC	
15500	FIELD_EVENT_DT	
15500	FIELD_CREATE_DT	
	FIELD_POST_DT	
	FIELD_LOGGED_DT	
	FIELD_DATE_ADJUST	
	FIELD_CATEGORY_ID	
	FIELD_SEVERITY	
	FIELD_DOMAIN	
	FIELD_USER_NAME	
	FIELD_EVENT_DESC	
	FIELD_ORGUNIT	
	FIELD_CONFIGURATION	
	FIELD_EVENT_GUID	
	FIELD_DATA_SCAN_GUID	
	FIELD_DATA_TYPE_ID	
	FIELD_DATA_NAME	
	FIELD_DATA_STATUS_ID	
	FIELD_DATA_PART_NAME	
Memory	FIELD_DATA_PART_STATUS_ID	
30100	FIELD_DATA_PERSISTENCE_ID	

FIELD_DATA_DIRECTION_ID FIELD_DATA_SOURCE_DOMAIN FIELD_DATA_DEST_DOMAIN FIELD_DATA_SOURCE_HOST FIELD_DATA_SENDER FIELD_DATA_SENDER FIELD_DATA_SUBJECT FIELD_DATA_SUBJECT FIELD_DATA_INFO FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_CREATED FIELD_DATA_CREATOR FIELD_DATA_CREATOR FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED FIELD_DATA_SIGNATURE		
FIELD_DATA_DEST_DOMAIN FIELD_DATA_SOURCE_HOST FIELD_DATA_SENDER FIELD_DATA_RECIPIENTS FIELD_DATA_SUBJECT FIELD_DATA_HEADERS FIELD_DATA_INFO FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_CREATED FIELD_DATA_CREATOR FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_QUARANTINE_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_REASON_ID		FIELD_DATA_DIRECTION_ID
FIELD_DATA_SOURCE_HOST FIELD_DATA_DEST_HOST FIELD_DATA_SENDER FIELD_DATA_RECIPIENTS FIELD_DATA_SUBJECT FIELD_DATA_INFO FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_CREATED FIELD_DATA_CREATOR FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_REASON_ID		FIELD_DATA_SOURCE_DOMAIN
FIELD_DATA_DEST_HOST FIELD_DATA_SENDER FIELD_DATA_RECIPIENTS FIELD_DATA_SUBJECT FIELD_DATA_HEADERS FIELD_DATA_INFO FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_MODIFIED FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_DEST_DOMAIN
FIELD_DATA_SENDER FIELD_DATA_RECIPIENTS FIELD_DATA_SUBJECT FIELD_DATA_HEADERS FIELD_DATA_INFO FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_CREATED FIELD_DATA_CREATOR FIELD_DATA_CREATOR FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_SOURCE_HOST
FIELD_DATA_RECIPIENTS FIELD_DATA_SUBJECT FIELD_DATA_HEADERS FIELD_DATA_INFO FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_MODIFIED FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_DEST_HOST
FIELD_DATA_SUBJECT FIELD_DATA_HEADERS FIELD_DATA_INFO FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_MODIFIED FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_SENDER
FIELD_DATA_HEADERS FIELD_DATA_INFO FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_MODIFIED FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED	30500	FIELD_DATA_RECIPIENTS
FIELD_DATA_INFO FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_MODIFIED FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_SUBJECT
FIELD_DATA_SIZE FIELD_DATA_CREATED FIELD_DATA_MODIFIED FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_HEADERS
FIELD_DATA_CREATED FIELD_DATA_MODIFIED FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_INFO
FIELD_DATA_MODIFIED FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED	\prec	FIELD_DATA_SIZE
FIELD_DATA_CREATOR FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_CREATED
FIELD_DATA_MODIFIER FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_MODIFIED
FIELD_DATA_QUARANTINE_ID FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_CREATOR
FIELD_DATA_BACKUP_ID FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_MODIFIER
FIELD_DATA_RULE_DESCR FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_QUARANTINE_ID
FIELD_DATA_RULE_REASON FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_BACKUP_ID
FIELD_DATA_RULE_REASON_ID FIELD_DATA_RULE_MODIFIED		FIELD_DATA_RULE_DESCR
FIELD_DATA_RULE_MODIFIED		FIELD_DATA_RULE_REASON
		FIELD_DATA_RULE_REASON_ID
\ FIELD_DATA_SIGNATURE		FIELD_DATA_RULE_MODIFIED
		FIELD_DATA_SIGNATURE

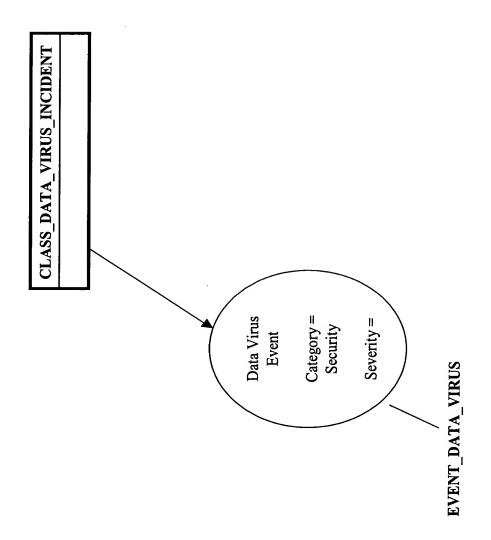


Fig. 31B_1

11g. 31B_1		
/	FIELD_EVENT_ID	
1	FIELD_EVENTCLASS_ID	
	FIELD_PRODUCT_ID	
31600	FIELD_PRODUCT_VERSION	
	FIELD_SWFEATURE_ID	
	FIELD_MACHINE	
	FIELD_MACHINE_IP	
	FIELD_MACHINE_SUBNET	
	FIELD_MACHINEID	
	FIELD_MACHINE_MAC	
15500	FIELD_EVENT_DT	
15500	FIELD_CREATE_DT	
	FIELD_POST_DT	
	FIELD_LOGGED_DT	
	FIELD_DATE_ADJUST	
	FIELD_CATEGORY_ID	
	FIELD_SEVERITY	
	FIELD_DOMAIN	
	FIELD_USER_NAME	
	FIELD_EVENT_DESC	
	FIELD_ORGUNIT	
	FIELD_CONFIGURATION	
	FIELD_EVENT_GUID	
	FIELD_DATA_SCAN_GUID	
	FIELD_DATA_TYPE_ID	
	FIELD_DATA_NAME	
	FIELD_DATA_STATUS_ID	
	FIELD_DATA_PART_NAME	
Memory 31100	FIELD_DATA_PART_STATUS_ID	
	FIELD_DATA_PERSISTENCE_ID	
	\/	

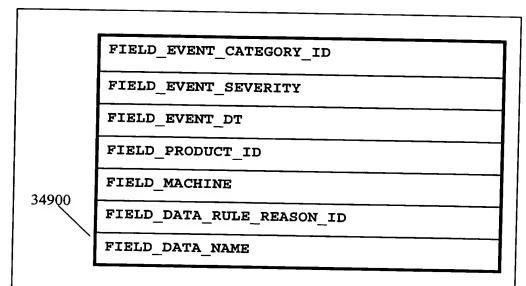
•		
1		FIELD_DATA_DIRECTION_ID
		FIELD_DATA_SOURCE_DOMAIN
		FIELD_DATA_DEST_DOMAIN
		FIELD_DATA_SOURCE_HOST
		FIELD_DATA_DEST_HOST
		FIELD_DATA_SENDER
		FIELD_DATA_RECIPIENTS
		FIELD_DATA_SUBJECT
		FIELD_DATA_HEADERS
	/	FIELD_DATA_INFO
30500 <		FIELD_DATA_SIZE
'	\	FIELD_DATA_CREATED
		FIELD_DATA_MODIFIED
		FIELD_DATA_CREATOR
		FIELD_DATA_MODIFIER
		FIELD_DATA_QUARANTINE_ID
		FIELD_DATA_BACKUP_ID
		FIELD_DATA_RULE_DESCR
		FIELD_DATA_RULE_REASON
		FIELD_DATA_RULE_REASON_ID
		FIELD_DATA_RULE_MODIFIED
		FIELD_DATA_SIGNATURE
		FIELD_EVENT_GUID
		FIELD_VIRUS_NUMBER
31500	$\langle \ $	FIELD_VIRUS_TYPE_ID
		FIELD_VIRUS_DEFINITIONS
		FIELD_VIRUS_QS_NAME
Memory		FIELD_VIRUS_QS_UUID
31100		

					32300		58/	/81	_								
Content Filtering Incidents	Event Family	EVENT_DATA_SCAN_START	EVENT_DATA_SCAN_END	EVENT DATA SCAN PAUSE	EVENT_DATA_SCAN_RESUME	EVENT DATA SCAN CANCEL	EVENT DATA UNSCANNABLE	EVENT DATA GENRIC CONTENT	EVENT DATA SPAM CONTENT					32400			
				32200	00775				7	Incidents	و		8	Æ	žī.	国	CONTENT
Incidents Event Family	EVENT_DATA_SCAN_START	EVENT DATA SCAN END	EVENT_DATA_SCAN_PAUSE	EVENT DATA SCAN RESUME	EVENT DATA SCAN CANCEL	EVENT DATA UNSCANNABLE	EVENT_DATA_VIRUS	EVENT DATA MALWARE CONTENT		Sensitive Content Filtering Incidents Event Family	EVENT DATA SCAN START	EVENT_DATA_SCAN_END	EVENT DATA SCAN PAUSE	EVENT_DATA_SCAN_RESUME	EVENT_DATA_SCAN_CANCEL	EVENT_DATA_UNSCANNABLE	EVENT_DATA_SENSITIVE_CONTENT
AntiVirus Incidents	EVENT_D,	EVENT D.	EVENT D	EVENT_D.	EVENT D	EVENT D	EVENT D.	EVENT D		Memory	32100	}					

Fig. 33

	FIELD_EVENT_CATEGORY_ID
	FIELD_EVENT_SEVERITY
	FIELD_EVENT_DT
	FIELD_EVENT_ID
33900	FIELD_PRODUCT_ID
33900	FIELD_MACHINE
	FIELD_DATA_RULE_DESCR
	FIELD_DATA_RULE_REASON
	FIELD_DATA_TYPE
	FIELD_DATA_NAME
	FIELD_DATA_STATUS
	FIELD_DATA_PART_NAME
	FIELD_DATA_PART_STATUS -

Fig. 34

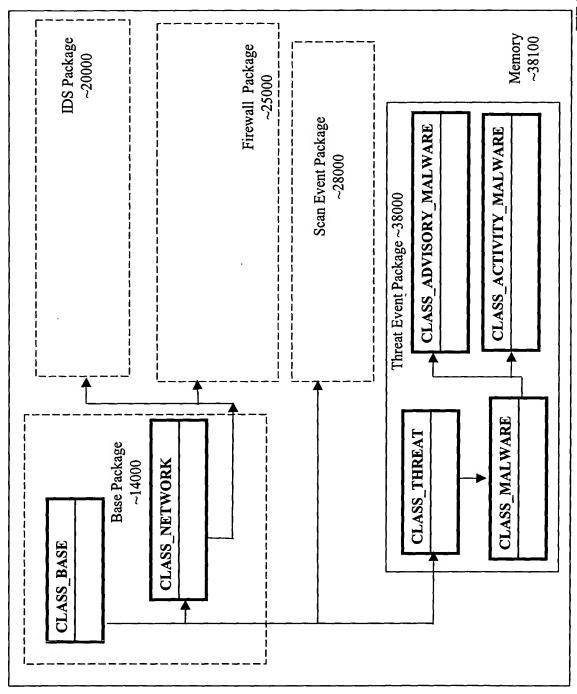


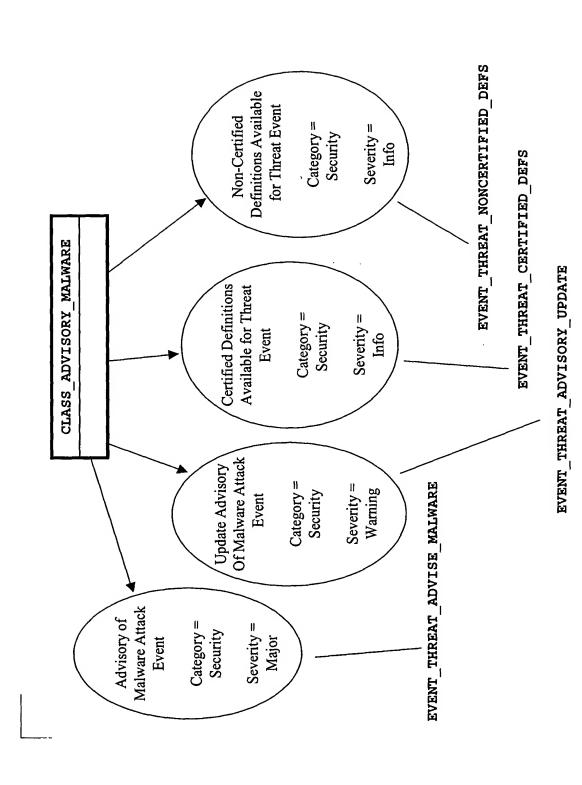
_	
	FIELD_EVENT_CATEGORY_ID
	FIELD_EVENT_SEVERITY
	FIELD_EVENT_DT
	FIELD_EVENT_ID
35900	FIELD_PRODUCT_ID
33900	FIELD_MACHINE
Ì	FIELD_DATA_RULE_REASON
	FIELD_VIRUS_DEFINITIONS
	FIELD_DATA_NAME
	FIELD_DATA_SUBJECT
	FIELD_DATA_SENDER
	FIELD_DATA_RECIPIENTS
	FIELD_DATA_STATUS
	FIELD_DATA_PART_NAME
	FIELD_DATA_PART_STATUS

Fig. 36

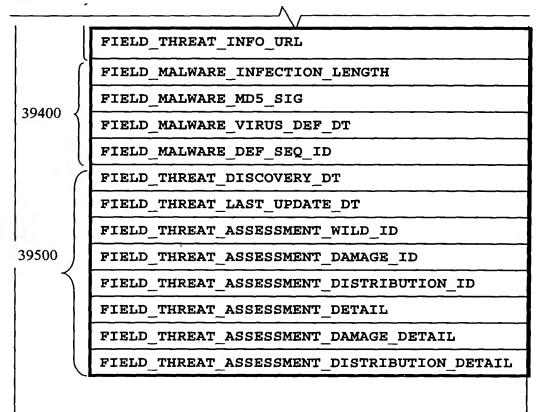
36900	FIELD_EVENT_CATEGORY_ID
	FIELD_EVENT_SEVERITY
	FIELD_EVENT_DT
	FIELD_EVENT_ID
	FIELD_PRODUCT_ID
	FIELD_MACHINE
	FIELD_DATA_RULE_DESCR
	FIELD_DATA_RULE_REASON
	FIELD_DATA_NAME
	FIELD_DATA_RECIPIENTS
	FIELD_DATA_STATUS

	FIELD_EVENT_CATEGORY_ID
ı	FIELD_EVENT_SEVERITY
	FIELD_EVENT_DT
	FIELD_EVENT_ID
37000	FIELD_PRODUCT_ID
37900	FIELD_MACHINE
Ì	FIELD_DATA_RULE_DESCR
	FIELD_DATA_RULE_REASON
	FIELD_VIRUS_DEFINITIONS
	FIELD_DATA_NAME
	FIELD_DATA_SIZE
	FIELD_DATA_STATUS
	FIELD_DATA_PART_NAME
	FIELD_DATA_PART_STATUS
	FIELD_DATA_CREATED
ı	FIELD_DATA_MODIFIED





ig. 39B_1	00/81	
	FIELD_EVENT_ID	
	FIELD_EVENTCLASS_ID	
	FIELD_PRODUCT_ID	1
39600	FIELD_PRODUCT_VERSION	
	FIELD_SWFEATURE_ID	
	FIELD_MACHINE	
	FIELD_MACHINE_IP	
	FIELD_MACHINE_SUBNET	
	FIELD_MACHINEID	1
)	FIELD_MACHINE_MAC]
15500	FIELD_EVENT_DT	
13300	FIELD_CREATE_DT]
1	FIELD_POST_DT	}
	FIELD_LOGGED_DT	
	FIELD_DATE_ADJUST	
	FIELD_CATEGORY_ID	
	FIELD_SEVERITY	
	FIELD_DOMAIN	
	FIELD_USER_NAME	}
	FIELD_EVENT_DESC]
\	FIELD_ORGUNIT	
	FIELD_CONFIGURATION]
	FIELD_EVENT_GUID]
	FIELD_THREAT_GUID]
	FIELD_THREAT_NAME	1
<i>J</i>	FIELD_THREAT_KNOWN_AS	<u> </u>
39300	FIELD THREAT_SUMMARY]
	FIELD_THREAT_ASSESSMENT_ID	1
Memory 39100	FIELD_THREAT_TECHNICAL_INFO	1
37100	FIELD_THREAT_RESPONSE_INFO	



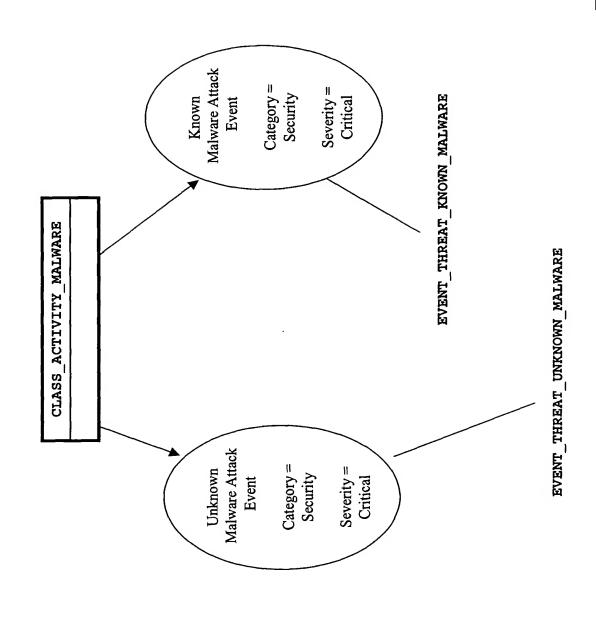


Fig. 40B 1

g. 40B_1		
	FIELD_EVENT_ID	
(FIELD_EVENTCLASS_ID	1
	FIELD_PRODUCT_ID	1
40600	FIELD_PRODUCT_VERSION	1
	FIELD_SWFEATURE_ID	
	FIELD_MACHINE	1
	FIELD_MACHINE_IP	1
	FIELD_MACHINE_SUBNET	1
	FIELD_MACHINEID	1
	FIELD_MACHINE_MAC	1
15500	FIELD_EVENT_DT	1
15500	FIELD_CREATE_DT	1
)	FIELD_POST_DT	1
	FIELD_LOGGED_DT	1
	FIELD_DATE_ADJUST	1
	FIELD_CATEGORY_ID	1
	FIELD_SEVERITY	
	FIELD_DOMAIN	
	FIELD_USER_NAME	1
	FIELD_EVENT_DESC	1
	FIELD_ORGUNIT	
	FIELD_CONFIGURATION]
	FIELD_EVENT_GUID	1
	FIELD_THREAT_GUID	1
	FIELD_THREAT_NAME	
j	FIELD_THREAT_KNOWN_AS	
39300 <	FIELD THREAT_SUMMARY	
	FIELD_THREAT_ASSESSMENT_ID	
Memory	FIELD_THREAT_TECHNICAL_INFO	}
39100	FIELD_THREAT_RESPONSE_INFO	

Fig. 40B_2

	FIELD_THREAT_INFO_URL
	FIELD_MALWARE_INFECTION_LENGTH
39400	FIELD_MALWARE_MD5_SIG
	FIELD_MALWARE_VIRUS_DEF_DT
	FIELD_MALWARE_DEF_SEQ_ID
	FIELD_MALWARE_ORIG_MACHINE
	FIELD_MALWARE_ORIG_MACHINE_IP
40500	FIELD_MALWARE_ORIG_SUBNET
	FIELD_MALWARE_ORIG_USER_NAME
	FIELD MALWARE_ORIG_SITE
	·

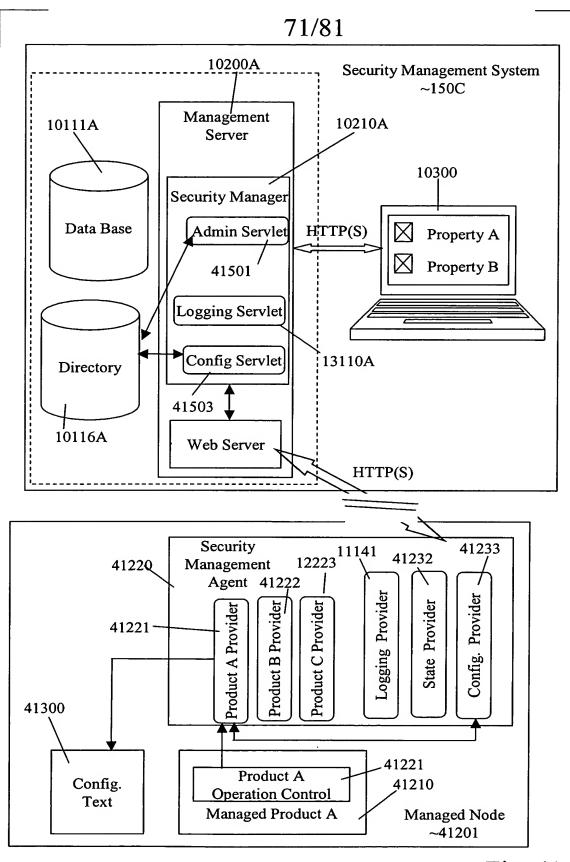


Fig. 41

```
42000
```

```
<?xml version="1.0" encoding="UTF-8" ?>
    <SesaIntegrationData xmlns:xsi=</pre>
           "http://www.w3.org/2001/XMLSchema-instance"
          xsi:noNamespaceSchemaLocation="NabooBase.xsd">
     -<SesaProductData>
4200
              <Version>1.00</Version>
              <Author>ABC</Author>
              <Revision>0.01</Revision>
              <RevDate>Feb 15 2003</RevDate>
              <Product>
              <!-- Simple Sample Product
              <!-- Product ID 3001 ==> Numbering
                  Range [30,010,000 - 300,019,999]
                -<Product Id="3001">
                  <Version>4.0</Version>
                  <Vendor>Symantec Corporation
                  <SKUNumber>1234</SKUNumber>
                  <Caption>Sample Product</Caption>
                  <Description>Simple Sample Product
                         for NIK </Description>
                  <Name>Sample Product</Name>
                  <DisplayName LangId="10001">
                                 Sample < / DisplayName >
                  <EventFamilyMembership Id="90000" />
  42002
                     <DataDefinition>
                      <!--
                            Software Feature Ids
                               30,010,101-30,010,999 -->
                       - <SoftwareFeature Id="30010101">
                            <Caption>Sample Software
                                 Feature </Caption>
                            <Description>Sample Software
                                  Feature</Description>
             42003
                            <Name>30010101</Name>
                            <DisplayName LangId="10001">
                                Sample Software Feature
                                </DisplayName>
                            <FeatureRole>SESA LOGGING
                                </FeatureRole>
                         </SoftwareFeature>
                      </DataDefinition>
                </Product>
      </SesaProductData>
   </SesaIntegrationData>
```

```
package com.symantec.management.example;
import java.io.*;
import java.util.*;
import java.net.*;
import org.snia.wbem.cim.CIMException;
import org.snia.wbem.cim.CIMNameSpace;
import org.snia.wbem.cim.CIMObjectPath;
import org.snia.wbem.cim.CIMValue;
import org.snia.wbem.client.CIMOMHandle;
import org.snia.wbem.client.CIMClient;
import com.symantec.management.providers.SESAProvider;
import com.symantec.management.providers.SymcObject;
import com.symantec.management.providers.SESAException;
/** example of the Agent/Provider extension interface
public class ExampleProvider extends SESAProvider
      // product and feature IDs for the advanced sample
      public final int
                                  ADV_SAMPLE_APP_PRODUCT_ID = 3002;
                                  ADV SAMPLE APP FEATURE ID = 30020101;
      public final int
      // constants for the config properties
      public final String
                                         CFGPROP POLLTIME = "PollTime";
      public final String
                                         PROVIDER NAME =
"Symc ExampleProvider";
// the local cache for your provider's configuration - name should be all lower case
      private final String CONFIG_FILE_NAME = "exampleprovider.cfg";
      private Properties
                                  m props = null;// holds the config properties
      private CIMObjectPath
                                         m cimPath = null;// object for the Example
Provider
      private CIMClient
                                         m_cimClient = null;// communicate with the
CIMOM
      public ExampleProvider()
             System.out.println("--inside the ExampleProvider() constructor");
         perform initialization of the provider
         Any initialization should be done in here. It is not necessary to request
```

```
* configurations from the Config Provider, as those are retrieved automatically
         * and sent to applyConfig().
       public void initialize(CIMOMHandle ch) throws CIMException
               System.out.println("\n***inside the Example Provider!\n");
               // Any threads to be used should be created in here
               // Threads should be "daemon" so that the shutdown does not
               // have to wait on them too long.
               try
                      loadConfigFile();
               catch (CIMException e)
                      System.out.println("Could not load example provider's configuration
file.");
               }
// There are other methods available in the Config Provider to get information
// about the machine and the Management Server. These are:
       getMachineId() - the machine id from the bootstrap process
       getDB() - get the DN, as used in the Directory
//
       getDomain() - get the Domain that this machine was bootstrapped into
//
       getOrgUnit() - get the OrgUnit the machine was bootstrapped into
//
       getManagementServer() - returns a String for the URL to the Management Server
//
       getManagementServerAddress() - returns the IP address of the Management Server
//
       getManagementServerPort() - returns the port the Management Server listens on
//
//
       getSecManagementServer() - returns a String for the URL to the Secondary
Management Server
       getSecManagementServerAddress() - returns the IP address of the Secondary
Management Server
       getSecManagementServerPort() - returns the port the Secondary Management
Server listens on
       getUseSSL() - returns true or false, whether or not to use SSL
// There are also two more methods to retrieve configuration:
       getConfig(int ProductId, int FeatureId)
//
//
       getConfig(int ProductId, int FeatureIds[])
       These methods both retrieve a String which contains the entire set of properties from
//
//
       the Directory. The method illustrated below retrieves the same information, but the
data
       is parsed for you and returned in a HashMap that looks something like this:
//
// see the ConfigParser class for a description of what the HashMap returned from
// getConfigProperties looks like
```

Fig. 43B

```
}
        /** shut down the provider
        public void cleanup() throws CIMException
               // destroy any threads created in initialize()
        }
        /** get the Service object that relates to this Provider
        * @return Service
        public SymcObject getService()
               try
                      if (m_Service == null)
                             // the file name referenced "ExampleProvider.svc" can be in
mixed case
                             // as the constructor translates all file names to lower case.
                             // The physical file on disk must be in lower case (enforced by
the Makefile)
                             m_Service = new SymcObject("Symc Service",
"ExampleProvider.svc");
              catch (SESAException se)
                      se.printStackTrace();
              return (m_Service);
       }
       /** the CIM invokeMethod call
       public CIMValue invokeMethod(CIMObjectPath op, String name, Vector in, Vector
out)
              throws CIMException
       {
              System.out.println("ExampleProvider.invokeMethod(" + name + "')");
              CIMValue ret = new CIMValue("unrecognized method "" + name + """);
```

```
if (name.equalsIgnoreCase("getconfigdata"))
               ret = getConfigData(in, out);
        else if (name.equalsIgnoreCase("getconfigproperty"))
               ret = getConfigProperty(in, out);
        return (ret);
 }
/** obtains all config settings for the application
public CIMValue getConfigData(Vector in, Vector out)
        if (m props = null)
               return (new CIMValue(""));
        String sRet = "";
       Enumeration enum = m_props.keys();
       while (enum.hasMoreElements())
               String sKey = (String) enum.nextElement();
               String sVal = (String) m_props.get(sKey);
               if (sVal != null)
                      sRet += sKev + "=" + sVal + "\n"
       }
       if (sRet.length() == 0)
               sRet = "key=value\n";
       System.out.println("\n****Returning config data: "" + sRet + """);
       return (new CIMValue(sRet));
}
/** obtains a specific, named config property
public CIMValue getConfigProperty(Vector in, Vector out)
       if (m_props == null)
              return (new CIMValue(""));
       String sParam = null:
       try
       {
              sParam = getParameterString(in, "propName");
       catch (SESAException se)
```

Fig. 43D

```
77/81
              {
                     return (new CIMValue(""));
              }
              if (sParam == null)
                     return (new CIMValue(""));
              // Looks in the private cache of properties to retrieve the value.
              String sVal = (String) m_props.get(sParam);
              if (sVal == null)
                     sVal = "";
              if (sVal.length() == 0)
                     sVal = sParam + ".value";
              System.out.println("\n***Returning config property "' + sParam + "' = "' +
sVal + """);
              return (new CIMValue(sVal));
       }
       /** Used for sending messages between Providers.<P>
        * This method is called from another Provider to inform this Provider of a specific
       * event. The string contains information that can be parsed.
        * @param msg The String representing the message.
       public void sendMessage(String msg)
       /** get the name of the Provider
        * @return a string representing the name of this Provider
       public String getName()
              return (PROVIDER_NAME);
       }
       /** Informs the Provider of an updated configuration.<P>
       * This is called from the Configuration Provider when there is a new
       * configuration that the Provider should use.
       * @param newConfigs A HashMap representing the configuration properties that
                     the Provider should use from this point forward. See the ConfigParser
       *
                     class for a description of the contents of the HashMap
       public void applyConfig(HashMap newConfigs)
       {
```

Fig. 43E

```
// Get the properties that we are interested in from the entire set. The entire
set includes
              // all products and features. We are interested only in our own application.
              Properties newProps = getCfgPropertySet(newConfigs,
ADV_SAMPLE_APP_FEATURE_ID, "SampleApplication");
              if (newProps == null)
                      System.out.println("no properties found for SWF" +
getSoftwareFeatureId());
                     return;
              // Private cache of properties.
              m_props = newProps;
              String sVal = (String) m props.get(CFGPROP POLLTIME);
              if (sVal != null)
                     try
              // Set the poll time in the instance so that the application can use the standard
CIM
              // call getProperty to retrieve it. This also allows the poll time to become
part of
              // the application's set of state variables. You would put a property here only
if you
              // want it accessible through CIM. If not, keep it only in the private cache.
                             createCIMClient();
                             m cimClient.setProperty( m cimPath, "ProviderPollTime",
new CIMValue(sVal));
                     catch (CIMException ce)
                             System.out.println("\n>>>> Error setting property
ProviderPollTime in instance\n");
                             System.out.println(ce.toString());
                     }
              }
              // update the local configuration file from the HashMap
              File fiConfig = new File(CONFIG FILE NAME);
              FileOutputStream os = null;
              try
                     os = new FileOutputStream(fiConfig);
                     m_props.store(os, null);
              }
```

Fig. 43F

```
79/81
               catch (FileNotFoundException fnf)
               catch (IOException ioe)
               if (os != null)
                      try
                              os.close();
                      catch (IOException ioe)
// At this point the provider could communicate with its application to push the new
configuration
// to the application. Alternatively, the application could poll for changes to the
configuration
// file created above and read its configuration from the file.
// Check to see if the advanced sample application is listening on the pre-defined port
               try
               {
                      // The port is defined in the advanced sample app.
                      Socket sock = new Socket("127.0.0.1", 4990);
                      if (sock != null)
                      // If we're able to get a connection, then the advanced sample app is
running
                      // and waiting for a connection on localhost:4990. Attempt to write
out the data.
                      // The data will be the value that was assigned to "ProviderPollTime".
                      // Note that the data sent can also be custom xml settings that will get
parsed
                      // by the application.
                              BufferedOutputStream ostream = new
BufferedOutputStream(sock.getOutputStream());
                              ostream.write(sVal.getBytes());
                              // Cleanup
                              ostream.close();
                              sock.close();
                      }
              }
```

Fig. 43G

```
80/81
```

```
catch (UnknownHostException e)
              catch (IOException e)
              catch (Exception e)
       }
       /** get the Product ID for this Provider
        * @return an integer representing the Product ID that this Provider is associated
with.
        */
       public int getProductId()
              return (ADV_SAMPLE_APP_PRODUCT_ID);
       /** get the Software Feature ID
        * @return an integer representing the Software Feature ID that this Provider is
                            associtated with, or 0 if the Provider is not associated with a
specific
                            feature ID.
       public int getSoftwareFeatureId()
              return (ADV_SAMPLE_APP_FEATURE_ID);
       }
       /** load the configuration file from disk
       private void loadConfigFile() throws CIMException
              File fiConfig = new File(CONFIG_FILE_NAME);
              if (!fiConfig.exists())
                     throw new CIMException("Symc_ExampleProvider: cannot find
config file "" + CONFIG_FILE_NAME + """);
              m props = new Properties();
              try
              {
                     m_props.load(new FileInputStream(fiConfig));
                               Fig. 43H
```

```
catch (FileNotFoundException fnf)
                    throw new CIMException("Symc ExampleProvider: cannot load
config file "" + CONFIG_FILE_NAME + """);
             catch (IOException ioe)
                    throw new CIMException("Symc ExampleProvider: error reading
configuration file");
      }
      private void createCIMClient() throws CIMException
             if (m cimPath = null)
                   m cimPath = new CIMObjectPath( PROVIDER NAME );
                    m_cimPath.addKey( "CreationClassName", new CIMValue(
"Symc_Service"));
                    m cimPath.addKey("Name", new CIMValue(
"30020101.exampleprovider"));
                    m_cimPath.addKey( "SystemCreationClassName", new CIMValue(
"Symc ComputerSystem"));
                   m_cimPath.addKey( "SystemName", new CIMValue( "localhost" ) );
             }
             if (m_cimClient == null)
                   CIMNameSpace cns = new CIMNameSpace( "localhost", "root" );
                   m_cimClient = new CIMClient(cns, null, null, CIMClient.LOCAL);
             }
      }
}
```